

FIG. 1

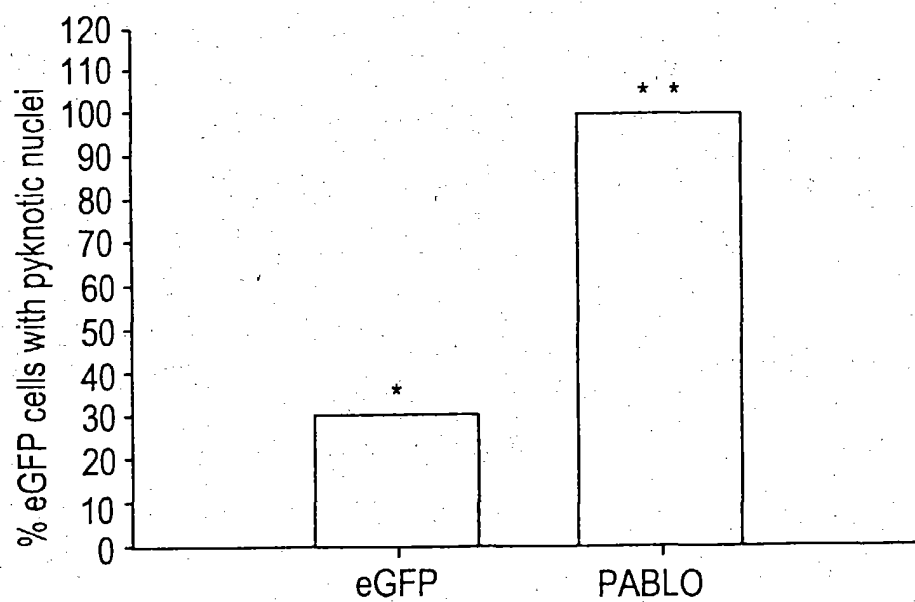
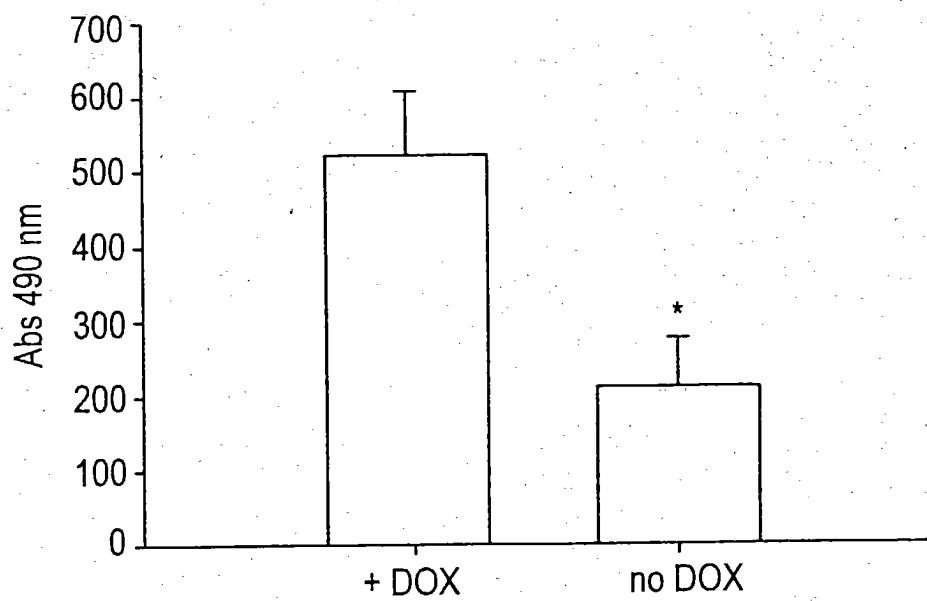


FIG. 2



values are the mean \pm SD; n=4; *p<0.01

FIG. 3

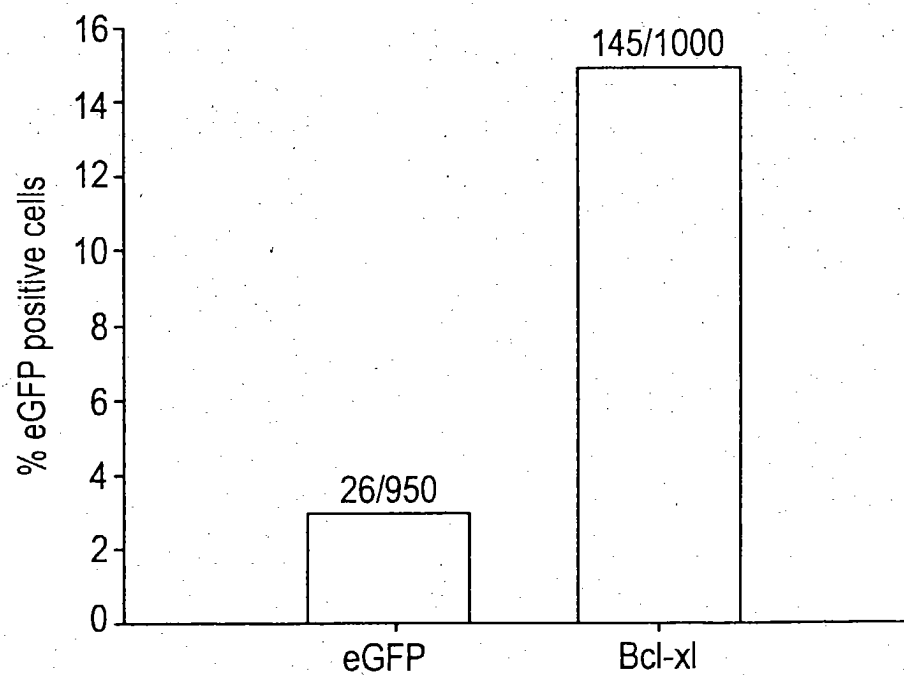


FIG. 4

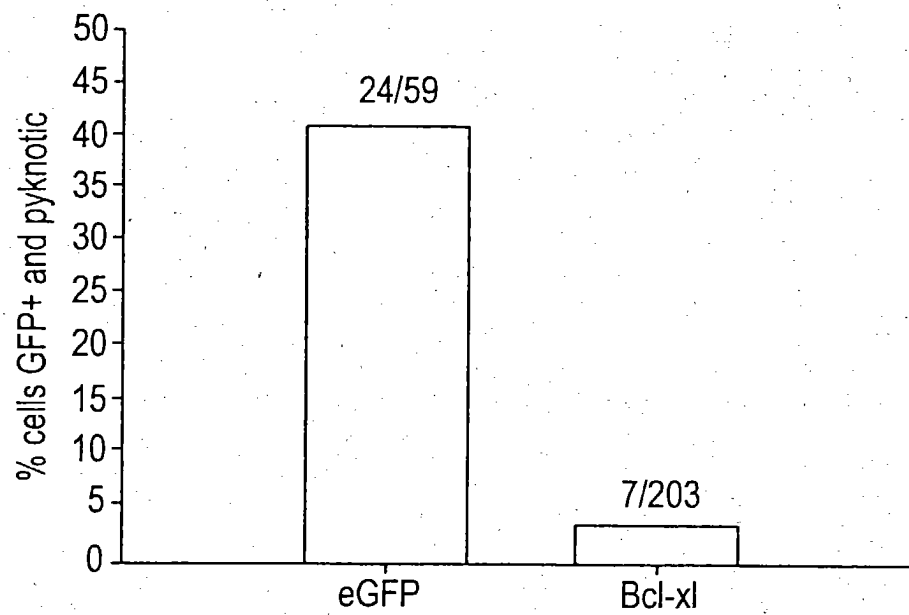


FIG. 5

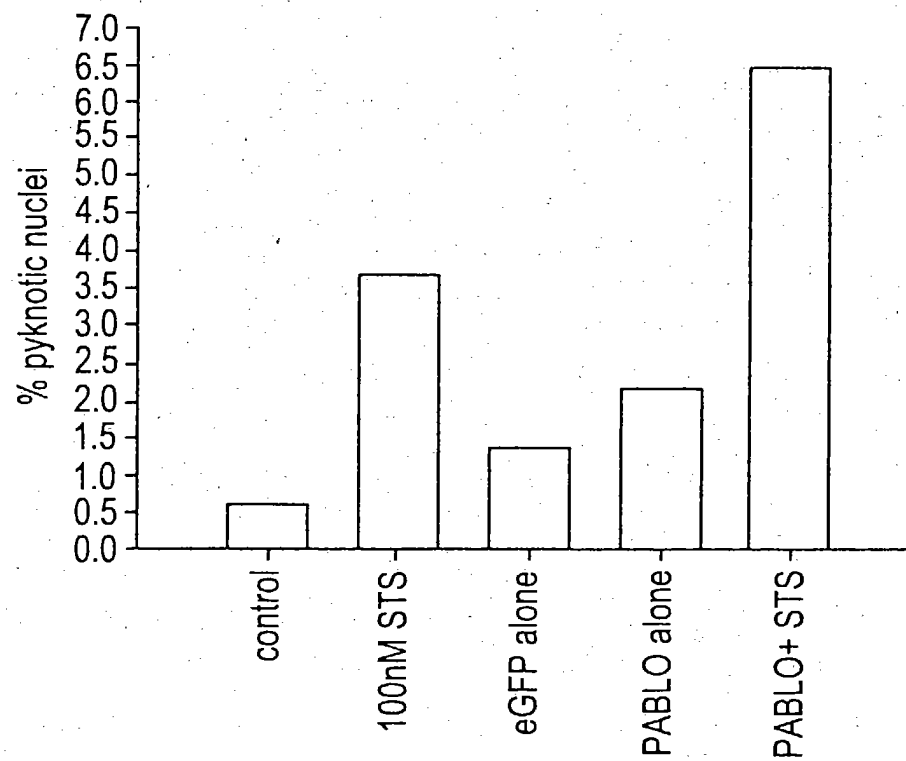


FIG. 6

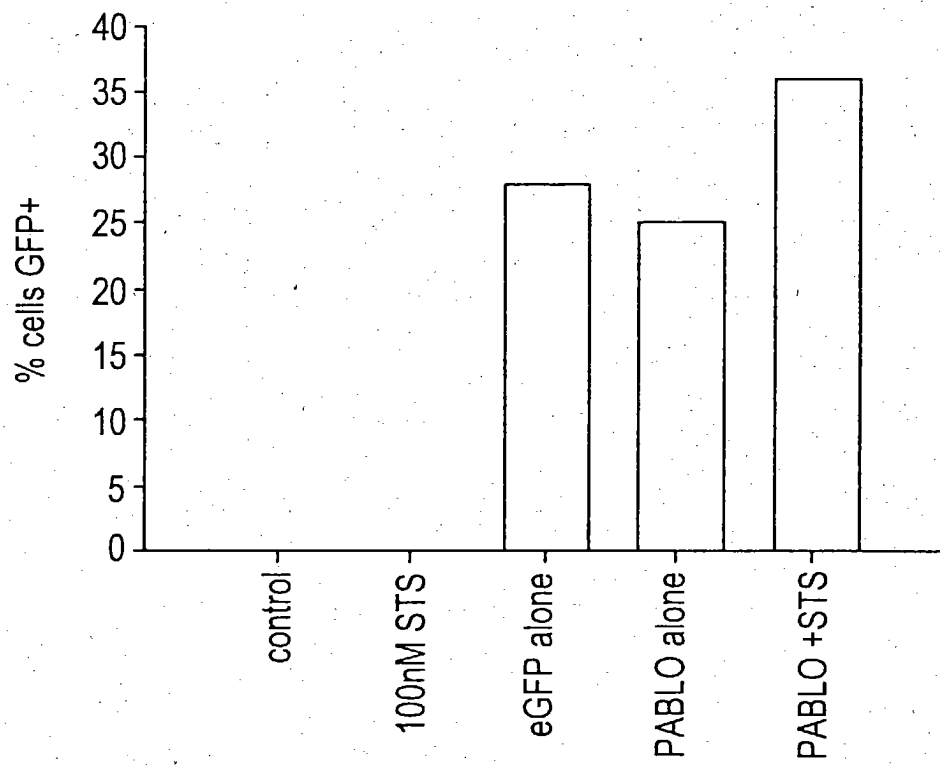


FIG. 7

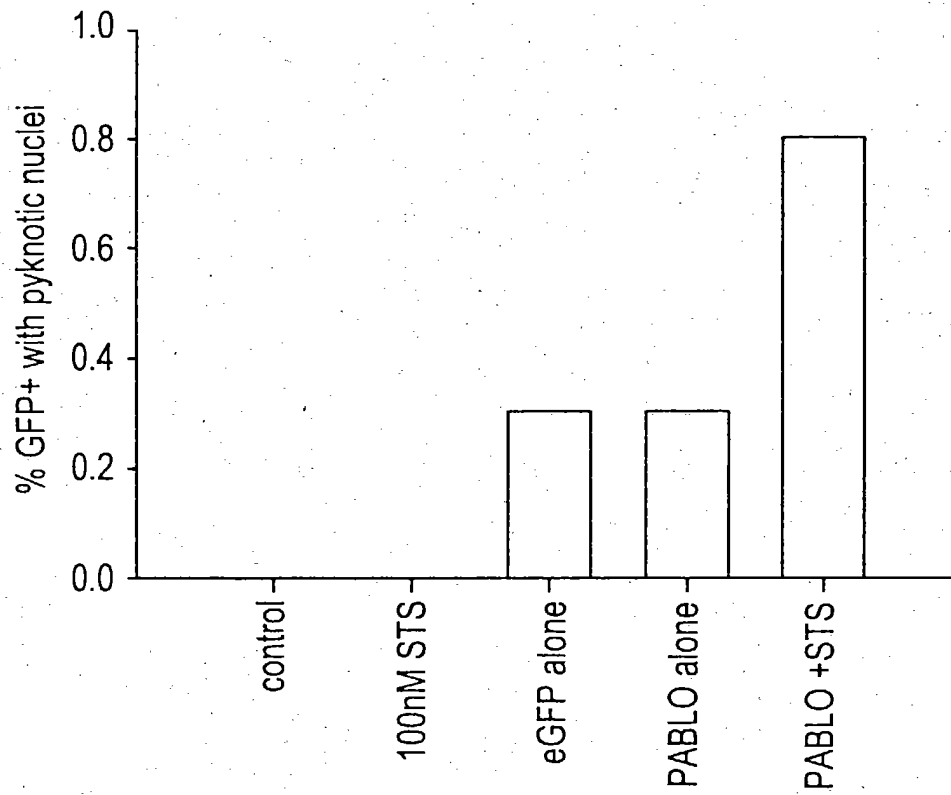


FIG. 8A

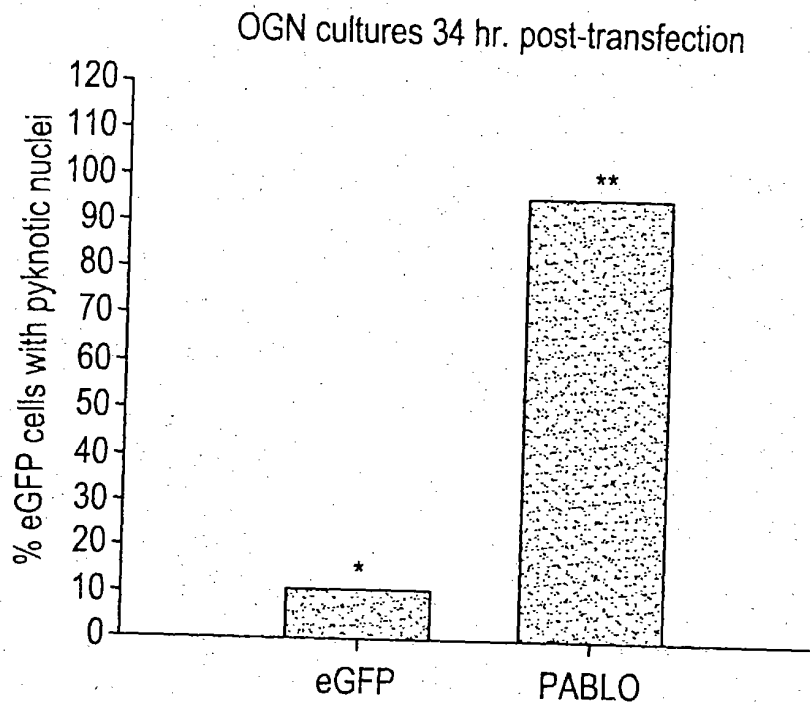


FIG. 8B

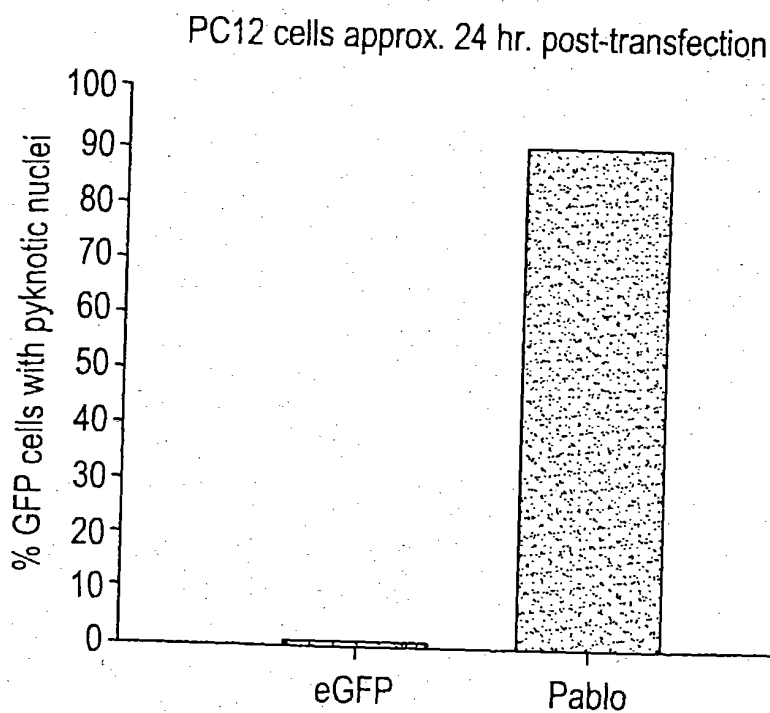


FIG. 8C

rat hippocampal cultures 30 hr. post-transfection

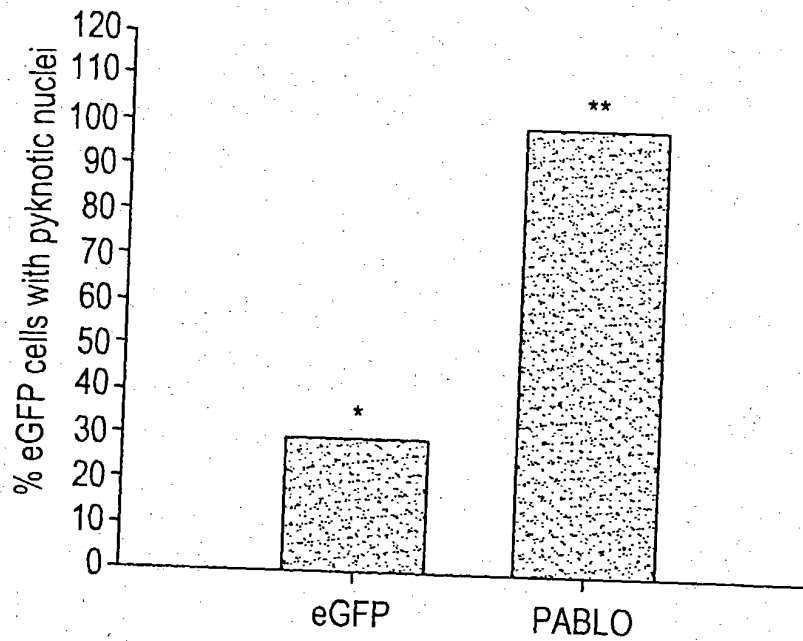


FIG. 8D

HEK 293: 48 hr. post-transfection

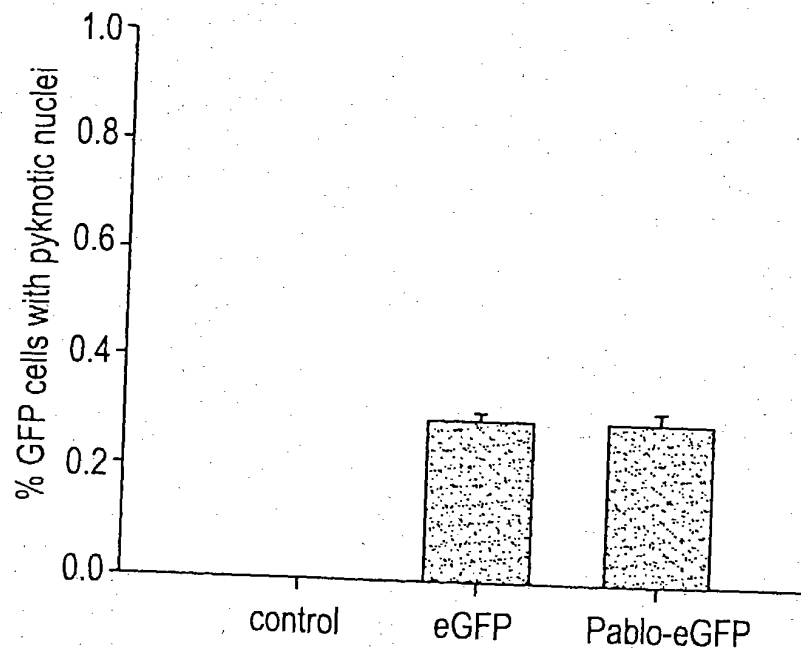


FIG. 9

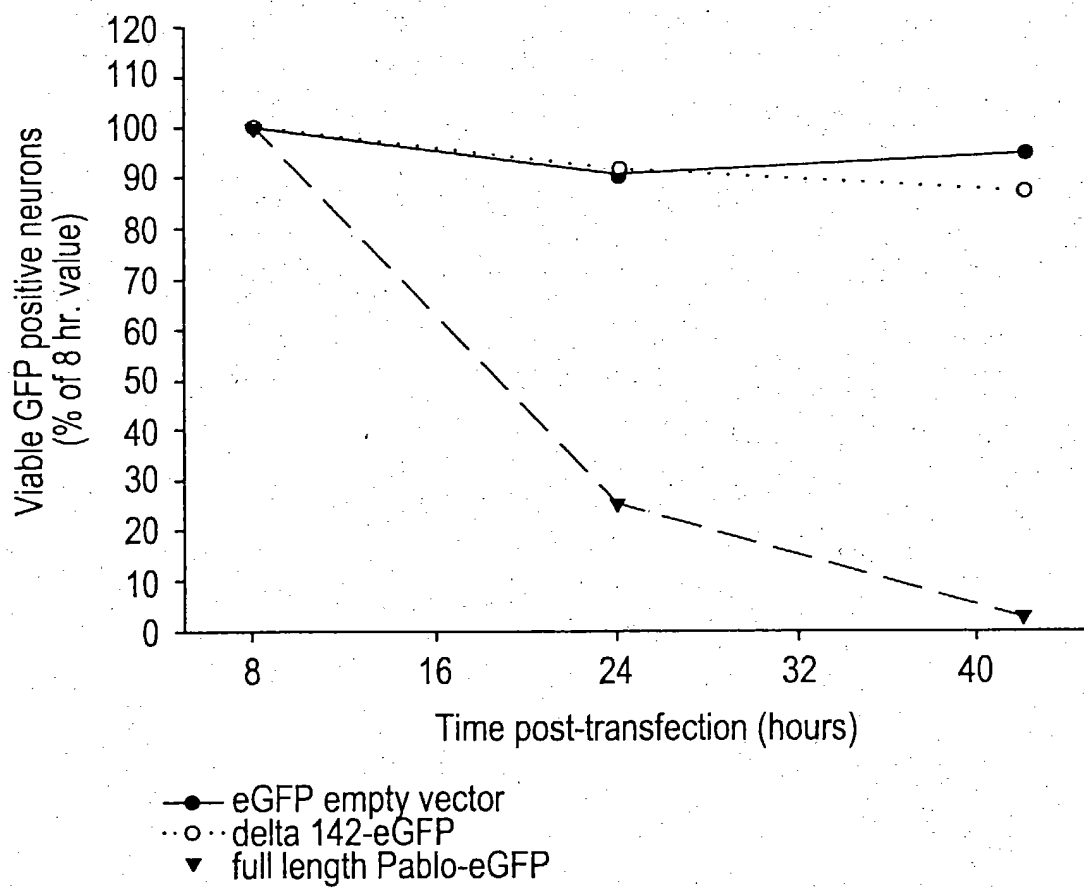


FIG. 10A

Bclxl (Δ TM)/PAS-1

	10	20	30	40	50
19 Bclxl/pAS2- 1	CAGCTTTGAC	TCATATGAAA	ATGTCTCAGA	GCAACCGGGA	GCTGGTGTT
	60	70	80	90	100
19 Bclxl/pAS2- 1	GACTTTCTCT	CCTACAAAGCT	TTCCCAGAAA	GGATACAGCT	GGAGTCAGTT
	110	120	130	140	150
19 Bclxl/pAS2- 1	TAGTGATGTG	GAAGAGAACA	GGACTGAGGC	CCCAGAAAGG	ACTGAATCGG
	160	170	180	190	200
19 Bclxl/pAS2- 1	AGATGGAGAC	CCCCAGTGCC	ATCAATGGCA	ACCCATCCTG	GCACCTGGCA
	210	220	230	240	250
19 Bclxl/pAS2- 1	GACAGCCCCG	CGGTGAATGG	AGCCACTGGC	CACAGCAGCA	GTTTGGATGC

FIG. 10B

	260	270	280	290	300
19 Bclxl/pAS2- 1	CCGGGAGGTG ATCCCCATGG CAGCAGTAAA GCAAGCGCTG AGGGAGGCAG				
	310	320	330	340	350
19 Bclxl/pAS2- 1	GCGACGAGTT TGAAGTGGG TACCGGGGG CATTGAGTGA CCTGACATCC				
	360	370	380	390	300
19 Bclxl/pAS2- 1	CAGCTCCACA TCACCCCGAGG GACAGCATAT CAGAGCTTTG AACAGGTAGT				
	410	420	430	440	450
19 Bclxl/pAS2- 1	GAATGAACTC TTCCGGGATG GGTAAACTG GGTGCGCATT GTGGCCTTTT				
	460	470	480	490	500
19 Bclxl/pAS2- 1	TCTCCTTCGG CGGGGCACTG TCGTGGAAA GCGTAGACAA GGAGATGCAG				

FIG. 10C

	510	520	530	540	550
19 Bclxl/pAS2- 1	GTATTGGTGA	GTCGGATCGC	AGCTTGGATG	GCCACTTACC	GGAATGACCA
	560	570	580	590	600
19 Bclxl/pAS2- 1	CCTAGAGCCT	TGGATCCAGG	AGAACGGCGG	CTGGGATACT	TTTGTGGAAC
	610	620	630	640	650
19 Bclxl/pAS2- 1	TCTATGGGAA	CAATGCAGCA	GCCGAGAGCC	GAAAGGGCCA	GGAACGCTTC
	660	670	680	690	700
19 Bclxl/pAS2- 1	AACCGCTGAG	TCGACCTGCA	GCCAAGCTAA	TTCCGGGCGA	ATTCTTATG
	710	720	730	740	750
19 Bclxl/pAS2- 1	ATTATGATT	TTTATTATTA	AATAAGTTAT	AAAAAAATA	AGTGAT

FIG. 11

Amino Acid Sequence of Bclxl (TM)
Used As Bait In Yeast 2-Hybrid Screen.

10	20	30	40	50	60	70	
MSQSNREL	VDFLSYKLSQKGY	SWSQFSDVEENR	TEAPEGTESEMET	PSAINGNPSWHL	ADSPAVNGATA		70
HSSSLDARE	VIPMAAVKQALRE	AGDEFELRYRRA	FSDLTSQLHITP	GTAYQSFEQV	VVNELFRDGVNW	GRI	140
VAFSFGGAL	CVESVDKEMQVL	VSRIAAMATYLN	DHLEPWIQENG	GGWDTFVELY	GNNAAESRKGQ	ERF	210
NR							212

FIG. 12A

Nucleotide Sequence of Pablo D142

10	20	30	40	50	60	70
atgccgctagtgaaagaacatcgatcccttaggcacttgtgccacacagcactgccttagaggcattaaaga	70					
atgaactggaatgtgtaaccaatatttccttggcaaatataattagacaaactaaagtagcctaagtaaata	140					
tgctgaagataataattggagaattattcaatgaagcacatagttttccttcagagtcacactcattgcaa	210					
gaacgtgtggaccgttttatctgttagtgttacacagcttgatccaaagggaagaattgtcttttgcaag	280					
atatacaaatgaggaaagctttccgaagtctacaattcaagaccagcagcttttcgatcgcaagacttt	350					
360	370	380	390	400	410	420
gcctattccattacaggagacgtacgatgtttgtgaacagcctccacctctcaatatactactccttat	420					
agagatgatggtaaaaggctctgaagttttataccaatccttcgtatttcttggatctatggaaagaaa	490					
aaatgttgcaagatacacagaggataaagaggaaagaaagaggaagcagagcaaaaaatctagatcgtcc	560					
tcatgaaccagaaaaagtgccaaagagcacctcatgacagcgcgagaaatggcagaagctggcccaaggt	630					
ccagagctggctgaagatgatgctaattctctacataaagcatattgaagttgctaattggcccagcctctc	700					
710	720	730	740	750	760	770
atthtgaacaagacctcagacatacgttggaatcataatggatggtatcttactcaactttctgccttgccatt	770					
tagtcagatgagtgagcttctgactagagctgaggaagggtatttagtcagaccacatgaaccacctcca	840					
cctccaccaatgcatggagcaggagatgcaaaaccgataccacacctgtatcagttctgtctacaggtttga	910					
tagaaaaatcgccctcagtcaccagctacaggcagaaacacctgtgtttgtgagccccacacccctcc	980					
tccaccacctcttccatctgtcaacttctcattcaagagcttcaatgacttcaactcctccccct	1050					

FIG. 12B

1060	1070	1080	1090	1100	1110	1120	
ccagtacctccccacactccacctccagccactgctttgcaagctccagcagtagaccacacctccagctc							1120
ctctcagattgccccctggagttcttcacccagctcctcctccaattgcacctcctctagtagacgcctc							1190
tccaccagtagctagagctgccccagtagtgtagactgtaccaggttcactccactcccaagggt							1254

FIG. 13

Amino Acid Sequence of Pablo Δ 142

10	20	30	40
<hr/>			
MPLVKRNIDPRHLCHTALPRGIKNELECVTNISLANIIRQ			40
LSSL SKYAEDIFGELFNEAHSFSFRVNSLQERVDRLSVSV			80
TQLDPKEEELS LQDITMRKA FRSS TIQDQQLFDRKTLPI P			120
LQETYDVCEQPPPLNILTPYRDDGKEGLKFYTNPSYFFDL			160
WKEKMLQDTEDKRKEKRKQKQKNLDRPHEPEKVPRAPHDR			200
210	220	230	240
<hr/>			
RREWQKLAQGPELAEDDANLLHKHIEVANGPASHFETRPQ			240
TYVDHMDGSYSLSALPFSQMSSELLTRAEEERVLVRPHEPPP			280
PPPMHGAGDAKPIPTC ISSATGLIENRPQSPATGRTPV FV			320
SPTPPPPPPPLPSALSTSSLRASMTSTPPPPVPPPPPPPA			360
TALQAPAVPPPPAPLQIAPGVLHPAPPPIAPPLVQPSPPV			400
410	420	430	440
<hr/>			
ARAAPVCETVPVHPLPQG			418

FIG. 14

PABLO and deletion constructs

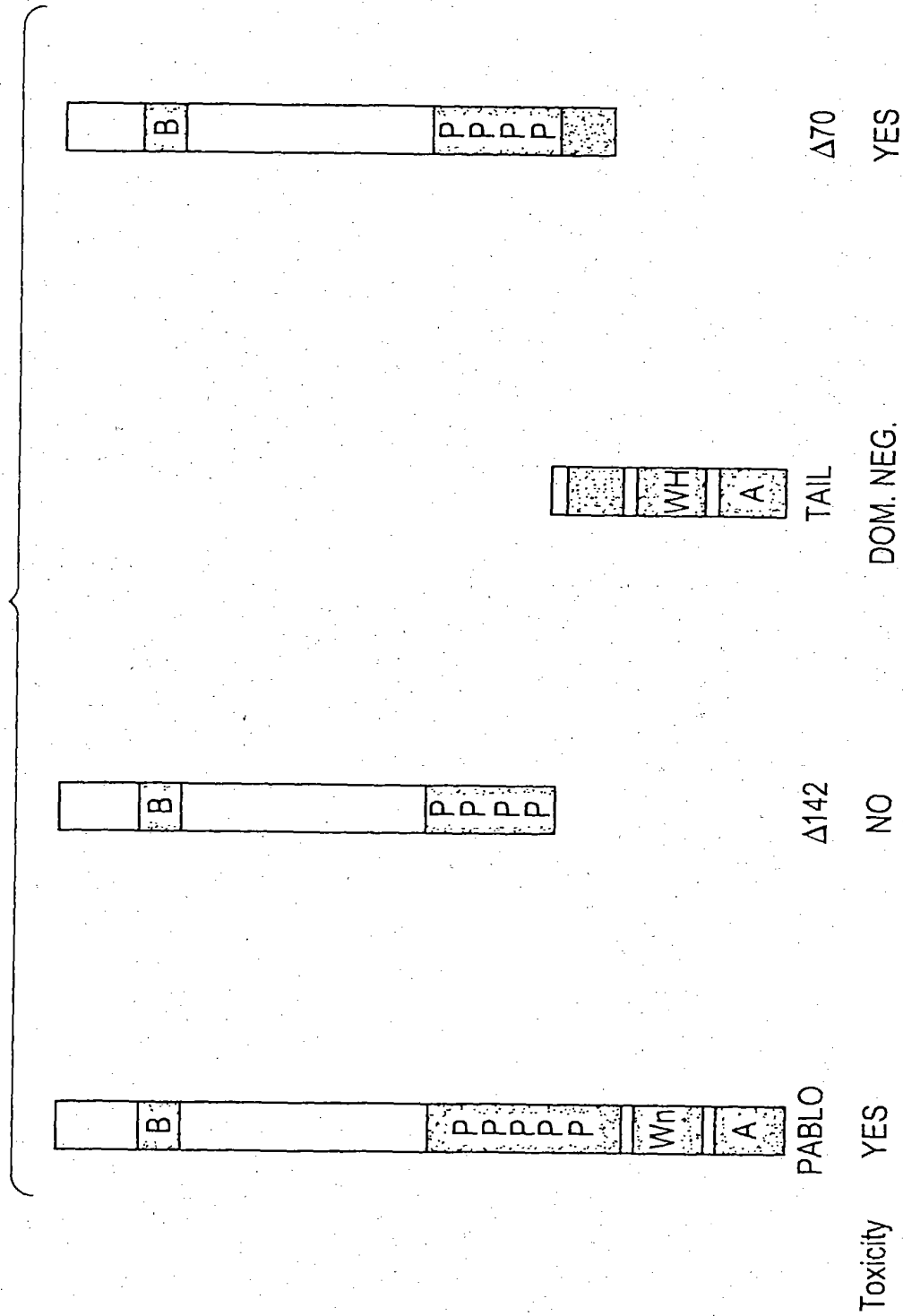


FIG. 15

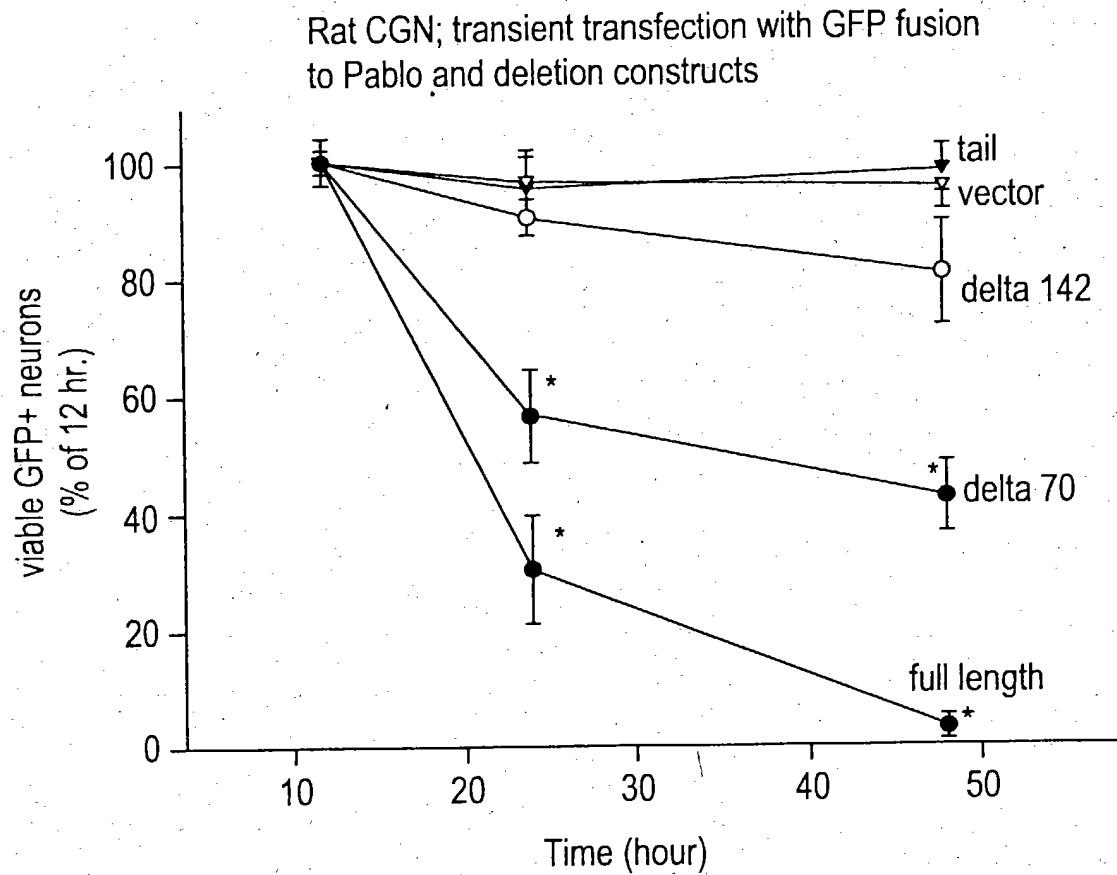


FIG. 16

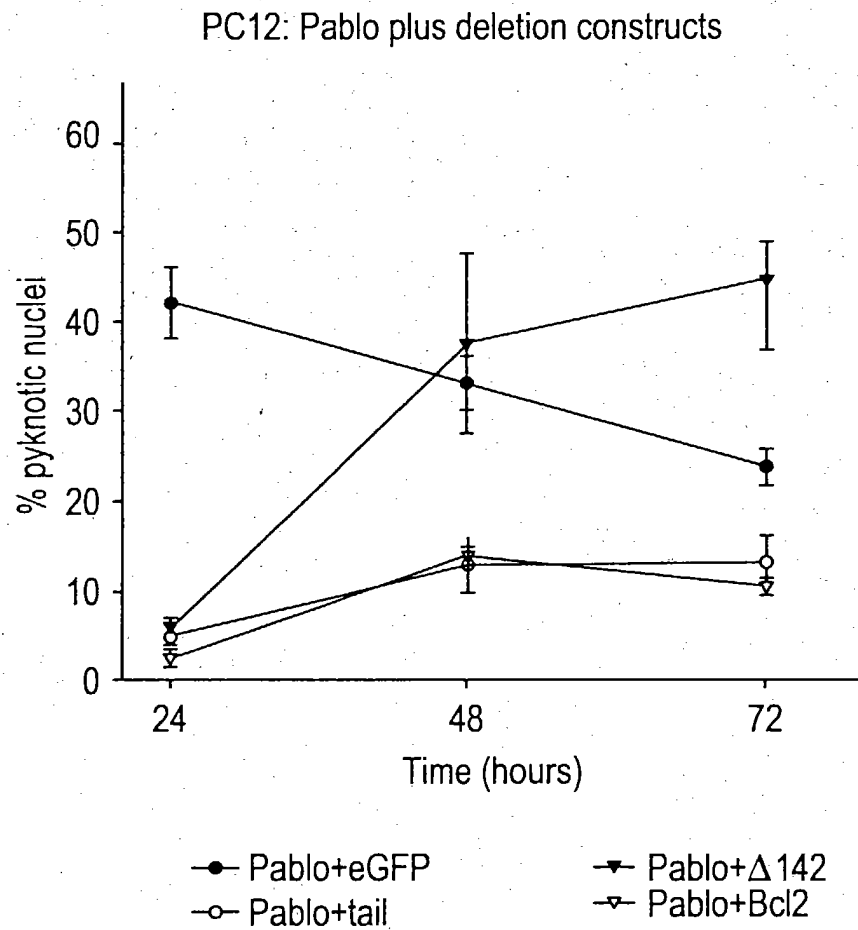


FIG. 17

Search for a Dominant Negative Pablo

<u>Transfection</u>	<u>DNA</u>
1	Pablo-eGFP + eGFP
2	Pablo-eGFP + tail-eGFP
3	Pablo-eGFP + delta 142-eGFP
4	Pablo-eGFP + Bcl-2-eGFP